Connecting via Winsock to STN

Welcome to STN International! Enter x:X

LOGINID:SSPTAMLS1614

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

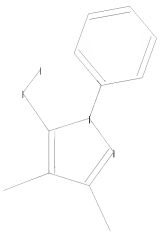
* * * * * * * * * * Welcome to STN International * * * * * * * * * *

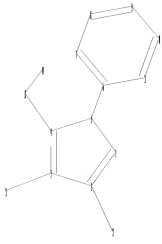
NEWS 1 Web Page for STN Seminar Schedule - N. America
NEWS 2 AUG 06 CAS REGISTRY enhanced with new experimental property tags
NEWS 3 AUG 06 FSTA enhanced with new thesaurus edition
NEWS 4 AUG 13 CA/CAplus enhanced with additional kind codes for granted patents
NEWS 5 AUG 20 CA/CAplus enhanced with CAS indexing in pre-1907 records
NEWS 6 AUG 27 Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS 7 AUG 27 USPATOLD now available on STN
NEWS 8 AUG 28 CAS REGISTRY enhanced with additional experimental spectral property data
NEWS 9 SEP 07 STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS 10 SEP 13 FORIS renamed to SOFIS
NEWS 11 SEP 13 INPADOCDB enhanced with monthly SDI frequency
NEWS 12 SEP 17 CA/CAplus enhanced with printed CA page images from 1967-1998
NEWS 13 SEP 17 CAplus coverage extended to include traditional medicine patents
NEWS 14 SEP 24 EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 15 OCT 02 CA/CAplus enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS 16 OCT 19 BEILSTEIN updated with new compounds
NEWS 17 NOV 15 Derwent Indian patent publication number format enhanced
NEWS 18 NOV 19 WPIX enhanced with XML display format
NEWS 19 NOV 30 ICSD reloaded with enhancements
NEWS 20 DEC 04 LINPADOCDB now available on STN
NEWS 21 DEC 14 BEILSTEIN pricing structure to change
NEWS 22 DEC 17 USPATOLD added to additional database clusters
NEWS 23 DEC 17 IMSDRUGCONF removed from database clusters and STN
NEWS 24 DEC 17 DGENE now includes more than 10 million sequences
NEWS 25 DEC 17 TOXCENTER enhanced with 2008 MeSH vocabulary in MEDLINE segment
NEWS 26 DEC 17 MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary
NEWS 27 DEC 17 CA/CAplus enhanced with new custom IPC display formats
NEWS 28 DEC 17 STN Viewer enhanced with full-text patent content from USPATOLD
NEWS 29 JAN 02 STN pricing information for 2008 now available

NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

```
Enter NEWS followed by the item number or name to see news on that
specific topic.

  All use of STN is subject to the provisions of the STN Customer
  agreement.  Please note that this agreement limits use to scientific
  research.  Use for software development or design or implementation
  of commercial gateways or other similar uses is prohibited and may
  result in loss of user privileges and other penalties.

* * * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 15:42:32 ON 08 JAN 2008

=> ile registry
ILE IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> file registry
COST IN U.S. DOLLARS                                 SINCE FILE      TOTAL
                                                        ENTRY    SESSION
FULL ESTIMATED COST                                      0.21       0.21

FILE 'REGISTRY' ENTERED AT 15:42:46 ON 08 JAN 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2008 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:    7 JAN 2008  HIGHEST RN 960112-28-1
DICTIONARY FILE UPDATES:   7 JAN 2008  HIGHEST RN 960112-28-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\STNEXP\Queries\10581255e.str
```



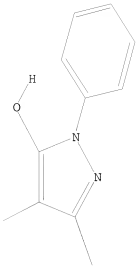


chain nodes :
12 13 14 15
ring nodes :
1 2 3 4 5 6 7 8 9 10 11
chain bonds :
2-12 3-15 4-13 5-6 13-14
ring bonds :
1-2 1-5 2-3 3-4 4-5 6-7 6-11 7-8 8-9 9-10 10-11
exact/norm bonds :
1-2 1-5 2-3 3-4 4-5 4-13 5-6
exact bonds :
2-12 3-15 13-14
normalized bonds :
6-7 6-11 7-8 8-9 9-10 10-11

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:CLASS 13:CLASS 14:CLASS 15:CLASS

L1 STRUCTURE UPLOADED

=> D L1
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

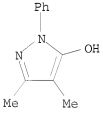
=> S L1 fam full
FULL SEARCH INITIATED 15:43:52 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 4156 TO ITERATE

100.0% PROCESSED 4156 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

L2 1 SEA FAM FUL L1

=> D L2

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2008 ACS on STN
RN 370557-61-2 REGISTRY
ED Entered STN: 17 Nov 2001
CN 1H-Pyrazol-5-ol, 3,4-dimethyl-1-phenyl- (CA INDEX NAME)
MF C11 H12 N2 O
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus
COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION
FULL ESTIMATED COST | 72.57 | 72.78

FILE 'CAPLUS' ENTERED AT 15:44:08 ON 08 JAN 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 8 Jan 2008 VOL 148 ISS 2
FILE LAST UPDATED: 7 Jan 2008 (20080107/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> s L2
L3 1 L2

=> D L3 ibib abs kwic

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2001:591008 CAPLUS
DOCUMENT NUMBER: 135:331163
TITLE: Tautomerism in 4-substituted 1-phenyl-3-methyl-pyrazolin-5-ones-a theoretical ab initio and 13C NMR study
AUTHOR(S): Kleinpeter, E.; Koch, A.
CORPORATE SOURCE: Institut fur Organische Chemie und Strukturanalytik, Universitat Potsdam, Potsdam, D-14415, Germany
SOURCE: Journal of Physical Organic Chemistry (2001), 14(8), 566-576
CODEN: JPOCEE; ISSN: 0894-3230
PUBLISHER: John Wiley & Sons Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The tautomeric equilibrium between the CH, OH and NH forms in a series of 4-substituted 1-phenyl-3-methyl-pyrazolin-5-ones have been studied using ab initio calcns. at various levels of theory and comparison made with the exptl. results obtained from NMR measurements. Quant. comparison of both the relative energies and the 13C chemical shifts of the tautomers constituting the tautomeric equilibrium were made by calcn. of both sets of parameters. The influence of the solvent was included by employing various models of the self-consistent reaction field theory. Initially, the solvent was included in the calcns. by applying a continuum of differing polarity over the surface of isolated tautomers (self-consistent isodensity polarized continuum model method), then later by assuming formation of an adduct between the solute and the solvent (thereby

simulating effectively the hydrogen bonding in the OH and NH tautomers) and finally by calculating dimer or trimer complexes of the various tautomers. In this manner, the agreement between the theor. calculated and the exptl. determined tautomeric equilibrium was improved significantly. The theor. calculated 13C chemical shifts of the tautomers were found to be viable for the assignment of the tautomers, particularly the preferred tautomer in the OH/NH equilibrium, which remains fast on the NMR time scale even at low temps.
REFERENCE COUNT: 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT
IT 89-25-8, 3H-Pyrazol-3-one, 2,4-dihydro-5-methyl-2-phenyl- 942-32-5, 1H-Pyrazol-5-ol,3-methyl-1-phenyl- 2721-84-8 4173-74-4, 3H-Pyrazol-3-one, 4-acetyl-2,4-dihydro-5-methyl-2-phenyl- 6077-03-8 7713-77-1, 3H-Pyrazol-3-one, 1,2-dihydro-4,5-dimethyl-2-phenyl- 17900-68-4, 3H-Pyrazol-3-one, 2,4-dihydro-4,5-dimethyl-2-phenyl- 19735-89-8, 3H-Pyrazol-3-one, 1,2-dihydro-5-methyl-2-phenyl- 27852-31-9 37703-59-6 40864-30-0, 3H-Pyrazol-3-one, 2,4-dihydro-5-methyl-4-nitro-2-phenyl- 41927-23-5, 3H-Pyrazol-3-one, 4-bromo-2,4-dihydro-5-methyl-2-phenyl- 52944-72-6 56634-79-8 64598-47-6 68719-56-2, 3H-Pyrazol-3-one, 4-bromo-1,2-dihydro-5-methyl-2-phenyl- 78575-98-1, 1H-Pyrazol-5-ol,4-bromo-3-methyl-1-phenyl- 78575-99-2, 1H-Pyrazol-5-ol,3-methyl-4-nitro-1-phenyl- 78576-03-1 138740-34-8 370557-61-2
RL: PEP (Physical, engineering or chemical process); PRP (Properties); PROC (Process)
(ab initio and 13C NMR study of tautomerism in 4-substituted 1-phenyl-3-methyl-pyrazolin-5-ones)

=> file registry

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	6.15	78.93
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.80	-0.80

FILE 'REGISTRY' ENTERED AT 15:47:41 ON 08 JAN 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 7 JAN 2008 HIGHEST RN 960112-28-1
DICTIONARY FILE UPDATES: 7 JAN 2008 HIGHEST RN 960112-28-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

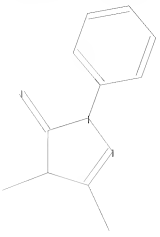
TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

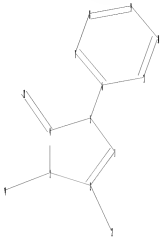
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\STNEXP\Queries\10581255f.str



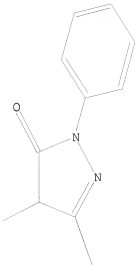


chain nodes :
12 13 14
ring nodes :
1 2 3 4 5 6 7 8 9 10 11
chain bonds :
2-12 3-14 4-13 5-6
ring bonds :
1-2 1-5 2-3 3-4 4-5 6-7 6-11 7-8 8-9 9-10 10-11
exact/norm bonds :
1-2 1-5 2-3 3-4 4-13 4-5 5-6
exact bonds :
2-12 3-14
normalized bonds :
6-7 6-11 7-8 8-9 9-10 10-11

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:CLASS 13:CLASS 14:CLASS

L4 STRUCTURE UPLOADED

=> D L4
L4 HAS NO ANSWERS
L4 STR



Structure attributes must be viewed using STN Express query preparation.

=> s L4 fam full
FULL SEARCH INITIATED 15:48:28 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 4156 TO ITERATE

100.0% PROCESSED 4156 ITERATIONS 2 ANSWERS
SEARCH TIME: 00.00.01

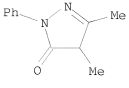
L5 2 SEA FAM FUL L4

=> D L5

L5 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2008 ACS on STN
RN 152968-73-5 REGISTRY
ED Entered STN: 11 Feb 1994
CN Pentanoic acid, 5-amino-4-oxo-, mixt. with 2,4-dihydro-4,5-dimethyl-2-phenyl-3H-pyrazol-3-one (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 3H-Pyrazol-3-one, 2,4-dihydro-4,5-dimethyl-2-phenyl-, mixt. contg. (9CI)
MF C11 H12 N2 O . C5 H9 N O3
CI MXS
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

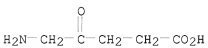
CM 1

CRN 17900-68-4
CMF C11 H12 N2 O



CM 2

CRN 106-60-5
CMF C5 H9 N O3



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

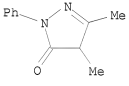
=> 1-2
1-2 IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> D L5 1-2

L5 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2008 ACS on STN
RN 152968-73-5 REGISTRY
ED Entered STN: 11 Feb 1994
CN Pentanoic acid, 5-amino-4-oxo-, mixt. with 2,4-dihydro-4,5-dimethyl-2-phenyl-3H-pyrazol-3-one (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 3H-Pyrazol-3-one, 2,4-dihydro-4,5-dimethyl-2-phenyl-, mixt. contg. (9CI)
MF C11 H12 N2 O . C5 H9 N O3
CI MXS
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

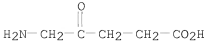
CM 1

CRN 17900-68-4
CMF C11 H12 N2 O



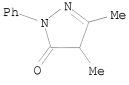
CM 2

CRN 106-60-5
CMF C5 H9 N O3



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2008 ACS on STN
RN 17900-68-4 REGISTRY
ED Entered STN: 16 Nov 1984
CN 3H-Pyrazol-3-one, 2,4-dihydro-4,5-dimethyl-2-phenyl- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 2-Pyrazolin-5-one, 3,4-dimethyl-1-phenyl- (6CI, 7CI, 8CI)
OTHER NAMES:
CN 1-Phenyl-3,4-dimethylpyrazolin-5-one
CN 3,4-Dimethyl-1-phenyl-2-pyrazolin-5-one
CN 3,4-Dimethyl-1-phenylpyrazolone
MF C11 H12 N2 O
CI COM
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, IFICDB, IFIPAT, IFIUDB, MSDS-OHS, TOXCENTER, USPATFULL, USPATOLD
(*File contains numerically searchable property data)
Other Sources: EINECS**
(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

38 REFERENCES IN FILE CA (1907 TO DATE)
38 REFERENCES IN FILE CAPLUS (1907 TO DATE)
3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	76.57	155.50
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.80

FILE 'CAPLUS' ENTERED AT 15:49:00 ON 08 JAN 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

strictly prohibited.

FILE COVERS 1907 - 8 Jan 2008 VOL 148 ISS 2
FILE LAST UPDATED: 7 Jan 2008 (20080107/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> d his

     (FILE 'HOME' ENTERED AT 15:42:32 ON 08 JAN 2008)

     FILE 'REGISTRY' ENTERED AT 15:42:46 ON 08 JAN 2008
L1   STRUCTURE UPLOADED
L2   1 S L1 FAM FULL

     FILE 'CAPLUS' ENTERED AT 15:44:08 ON 08 JAN 2008
L3   1 S L2

     FILE 'REGISTRY' ENTERED AT 15:47:41 ON 08 JAN 2008
L4   STRUCTURE UPLOADED
L5   2 S L4 FAM FULL

     FILE 'CAPLUS' ENTERED AT 15:49:00 ON 08 JAN 2008

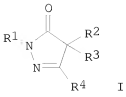
=> s L5
L6   39 L5

=> S L6 and (py<2003 or ay <2003 or pry<2003)
      22927520 PY<2003
       4474522 AY <2003
       3949553 PRY<2003
L7   36 L6 AND (PY<2003 OR AY <2003 OR PRY<2003)

=> D L7 1-10 ibib abs kwic hitstr

L7   ANSWER 1 OF 36 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2003:921440 CAPLUS
DOCUMENT NUMBER: 139:391385
TITLE: Pyrazolone analogs for repairing tissue fibrosis
INVENTOR(S):   Chiba, Akira; Matsumoto, Hideki; Tanaka, Yasuhiro;
                          Ijichi, Chiori; Oomuta, Naoko; Takatsuki, Fumihiko
PATENT ASSIGNEE(S):   Ajinomoto Co., Inc., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
                          CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

     PATENT NO.   KIND   DATE   APPLICATION NO.   DATE
     --------------   ----   --------   -------------------   --------
     JP 2003335672   A   20031125   JP 2002-144720   20020520 <--
PRIORITY APPLN. INFO.:   JP 2002-144720   20020520 <--
OTHER SOURCE(S):   MARPAT 139:391385
GI



I

AB Pyrazolone analogs (I; R1 = (substituted)phenyl; R2, R3 = H; R4 = low alkyl, alkoxy, etc.) and their pharmaceutically acceptable salts are claimed for repairing tissue fibrosis, including liver fibrosis, lung fibrosis, kidney fibrosis, atherosclerosis, prostate hypertrophy, keloid symptom, myocardial symptom, and collagen disease.

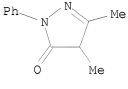
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2003335672	A	20031125	JP 2002-144720	20020520 <--
PRAI	JP 2002-144720		20020520 <--		

IT 90-31-3 4845-49-2 6402-09-1 6631-89-6 13024-90-3
17900-68-4 24515-10-4 27241-32-3 29211-43-6 30818-17-8
132214-72-3 406193-37-1 626201-75-0
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(pyrazolone analogs for repairing tissue fibrosis)

IT 17900-68-4
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(pyrazolone analogs for repairing tissue fibrosis)

RN 17900-68-4 CAPLUS

CN 3H-Pyrazol-3-one, 2,4-dihydro-4,5-dimethyl-2-phenyl- (CA INDEX NAME)



L7 ANSWER 2 OF 36 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:757683 CAPLUS

DOCUMENT NUMBER: 139:261293

TITLE: Preventive and/or therapeutic agent for hypoxic ischemic brain disorder

INVENTOR(S): Ikeda, Tomoaki; Ikenoue, Tsuyomu

PATENT ASSIGNEE(S): Mitsubishi Pharma Corporation, Japan

SOURCE: PCT Int. Appl., 29 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003078401	A1	20030925	WO 2003-JP3067	20030314 <--

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS,

LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH,
PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ,
UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

JP	2005343789	A	20051215	JP 2002-71595		20020315 <--
AU	2003213364	A1	20030929	AU 2003-213364		20030314 <--
PRIORITY APPLN. INFO.:				JP 2002-71595	A	20020315 <--
				WO 2003-JP3067	W	20030314

OTHER SOURCE(S): MARPAT 139:261293

AB The patent relates to a medicine for use in the prevention of and/or treatments for hypoxic ischemic brain disorders, especially ones of newborns caused by labor. It contains as an active ingredient a substance selected from the group consisting of 3-methyl-1-phenyl-2-pyrazolin-5-one, pyralozone derivs. which are analogs thereof, physiol. acceptable salts thereof, and any hydrates and any solvates of these. Thus, 1-phenyl-3-methyl-2-pyrazolin-5-one prepared by refluxing Et acetoacetate with phenylhydrazine in ethanol and recrystn. was dissolved in simulated body fluid and showed effect on hypoxic ischemic brain of new born rat.

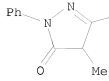
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003078401	A1	20030925	WO 2003-JP3067	20030314 <--
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	JP 2005343789	A	20051215	JP 2002-71595	20020315 <--
	AU 2003213364	A1	20030929	AU 2003-213364	20030314 <--
PRAI	JP 2002-71595	A	20020315	<--	
	WO 2003-JP3067	W	20030314		

IT 86-92-0 90-31-3 108-26-9 321-05-1 876-92-6 946-23-6 2749-59-9
4845-49-2 6402-08-0 6402-09-1 10223-33-3 13024-89-0 13024-90-3
13124-17-9 14580-15-5 14580-22-4 17900-68-4 18048-62-9
18048-64-1 19364-68-2 19685-20-2 20124-80-5 29211-43-6
29211-44-7 29211-55-0 33321-44-7 36210-76-1 41927-50-8
56226-25-6 60798-06-3 60798-08-5 60798-09-6 60798-11-0
60798-12-1 60798-13-2 60875-16-3 65156-70-9 70972-70-2
76858-78-1 92753-34-9 100553-83-1 107430-31-9 107430-32-0
107430-33-1 107430-34-2 107430-35-3 107430-36-4 107430-37-5
107430-38-6 107430-39-7 107430-40-0 107430-41-1 107430-42-2
107430-43-3 118031-38-2 602297-61-0 602297-62-1 602297-63-2
602297-64-3 602297-82-5 602297-84-7 602297-85-8 602297-86-9
602297-87-0
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(pyrazolinone derivative for preventive and/or therapeutic agent for hypoxic ischemic brain disorder)

IT 17900-68-4
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(pyrazolinone derivative for preventive and/or therapeutic agent for hypoxic ischemic brain disorder)

RN 17900-68-4 CAPLUS

CN 3H-Pyrazol-3-one, 2,4-dihydro-4,5-dimethyl-2-phenyl- (CA INDEX NAME)



REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 3 OF 36 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2001:591008 CAPLUS
DOCUMENT NUMBER: 135:331163
TITLE: Tautomerism in 4-substituted 1-phenyl-3-methyl-pyrazolin-5-ones-a theoretical ab initio and 13C NMR study
AUTHOR(S): Kleinpeter, E.; Koch, A.
CORPORATE SOURCE: Institut fur Organische Chemie und Strukturanalytik, Universitat Potsdam, Potsdam, D-14415, Germany
SOURCE: Journal of Physical Organic Chemistry (2001), 14(8), 566-576
CODEN: JPOCEE; ISSN: 0894-3230
PUBLISHER: John Wiley & Sons Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English

AB The tautomeric equilibrium between the CH, OH and NH forms in a series of 4-substituted 1-phenyl-3-methyl-pyrazolin-5-ones have been studied using ab initio calcns. at various levels of theory and comparison made with the exptl. results obtained from NMR measurements. Quant. comparison of both the relative energies and the 13C chemical shifts of the tautomers constituting the tautomeric equilibrium were made by calcn. of both sets of parameters. The influence of the solvent was included by employing various models of the self-consistent reaction field theory. Initially, the solvent was included in the calcns. by applying a continuum of differing polarity over the surface of isolated tautomers (self-consistent isodensity polarized continuum model method), then later by assuming formation of an adduct between the solute and the solvent (thereby simulating effectively the hydrogen bonding in the OH and NH tautomers) and finally by calculating dimer or trimer complexes of the various tautomers. In this manner, the agreement between the theor. calculated and the exptl. determined tautomeric equilibrium was improved significantly. The theor. calculated 13C chemical shifts of the tautomers were found to be viable for the assignment of the tautomers, particularly the preferred tautomer in the OH/NH equilibrium, which remains fast on the NMR time scale even at low temps.

SO Journal of Physical Organic Chemistry (2001), 14(8), 566-576
CODEN: JPOCEE; ISSN: 0894-3230

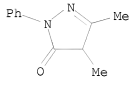
IT 89-25-8, 3H-Pyrazol-3-one, 2,4-dihydro-5-methyl-2-phenyl- 942-32-5, 1H-Pyrazol-5-ol,3-methyl-1-phenyl- 2721-84-8 4173-74-4, 3H-Pyrazol-3-one, 4-acetyl-2,4-dihydro-5-methyl-2-phenyl- 6077-03-8 7713-77-1, 3H-Pyrazol-3-one, 1,2-dihydro-4,5-dimethyl-2-phenyl- 17900-68-4, 3H-Pyrazol-3-one, 2,4-dihydro-4,5-dimethyl-2-phenyl- 19735-89-8, 3H-Pyrazol-3-one, 1,2-dihydro-5-methyl-2-phenyl- 27852-31-9 37703-59-6 40864-30-0, 3H-Pyrazol-3-one, 2,4-dihydro-5-methyl-4-nitro-2-phenyl- 41927-23-5, 3H-Pyrazol-3-one, 4-bromo-2,4-dihydro-5-methyl-2-phenyl- 52944-72-6 56634-79-8 64598-47-6 68719-56-2, 3H-Pyrazol-3-one, 4-bromo-1,2-dihydro-5-methyl-2-phenyl- 78575-98-1, 1H-Pyrazol-5-ol,4-bromo-3-methyl-1-phenyl- 78575-99-2, 1H-Pyrazol-5-ol,3-methyl-4-nitro-1-phenyl- 78576-03-1 138740-34-8

370557-61-2
RL: PEP (Physical, engineering or chemical process); PRP (Properties);
PROC (Process)
(ab initio and 13C NMR study of tautomerism in 4-substituted 1-phenyl-3-methyl-pyrazolin-5-ones)

IT 17900-68-4, 3H-Pyrazol-3-one, 2,4-dihydro-4,5-dimethyl-2-phenyl-
RL: PEP (Physical, engineering or chemical process); PRP (Properties);
PROC (Process)
(ab initio and 13C NMR study of tautomerism in 4-substituted 1-phenyl-3-methyl-pyrazolin-5-ones)

RN 17900-68-4 CAPLUS

CN 3H-Pyrazol-3-one, 2,4-dihydro-4,5-dimethyl-2-phenyl- (CA INDEX NAME)



REFERENCE COUNT: 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 4 OF 36 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2001:361602 CAPLUS

DOCUMENT NUMBER: 135:152747

TITLE: Solid-phase synthesis of substituted pyrazolones from polymer-bound β-keto esters

AUTHOR(S): Tietze, Lutz F.; Evers, Holger; Hippe, Thomas; Steinmetz, Adrian; Topken, Enno

CORPORATE SOURCE: Institut fur Organische Chemie der Georg-August-Universitat Gottingen, Gottingen, 37077, Germany

SOURCE: European Journal of Organic Chemistry (2001), (9), 1631-1634
CODEN: EJOCFK; ISSN: 1434-193X

PUBLISHER: Wiley-VCH Verlag GmbH

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 135:152747

AB Polymer-bound acetoacetate was γ-mono- and γ-dialkylated, as well as α-monoalkylated. Treatment with hydrazine or substituted hydrazines followed by thermal or acidic cyclizing cleavage yielded the pyrazolones in a purity of >90%.

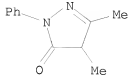
SO European Journal of Organic Chemistry (2001), (9), 1631-1634
CODEN: EJOCFK; ISSN: 1434-193X

IT 6402-09-1P 7058-21-1P 13051-47-3P 17900-68-4P 22717-41-5P 24246-08-0P 24246-11-5P 26502-95-4P 26645-09-0P 28844-37-3P 40339-61-5P 55294-29-6P 64123-72-4P 76552-51-7P 90688-89-4P 94575-26-5P 118031-38-2P 118049-09-5P 181185-05-7P 181185-06-8P 181185-07-9P 181185-08-0P 181185-09-1P 192209-24-8P 192209-25-9P 192209-26-0P 192209-27-1P 192209-28-2P 352434-76-5P 352434-77-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(solid-phase synthesis of substituted pyrazolones from polymer-bound β-keto esters)

IT 17900-68-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(solid-phase synthesis of substituted pyrazolones from polymer-bound β-keto esters)

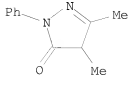
RN 17900-68-4 CAPLUS

CN 3H-Pyrazol-3-one, 2,4-dihydro-4,5-dimethyl-2-phenyl- (CA INDEX NAME)



REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1997:390186 CAPLUS
DOCUMENT NUMBER: 127:95230
TITLE: Solid-phase synthesis of polymer-bound β-keto esters and their application in the synthesis of structurally diverse pyrazolones
AUTHOR(S): Tietze, Lutz F.; Steinmetz, Adrian; Balkenhohl, Friedhelm
CORPORATE SOURCE: Inst. Org. Chem., Georg-August-Univ. Gottingen, Gottingen, D-37077, Germany
SOURCE: Bioorganic & Medicinal Chemistry Letters (1997), 7(10), 1303-1306
CODEN: BMCLE8; ISSN: 0960-894X
PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Polymer-bound esters of HO2CCHR2COR1 [R1 = CH2Ph, CH2CH2CO2Me, (CH2)3Cl, cyclohexyl, Me; R2 = Me, Et, allyl, CH2CH:CMe2, hexyl,CH2CO2Et] were prepared by treating R1COCl with Meldrum's acid, treating the adduct with polymer-bound ethylene glycol, and alkylating the polymer-bound esters. Mild acid catalyzed reaction with phenylhydrazine or hydrazine occurred with cleavage from the resin and cyclization to give pyrazolones in high purity and good yield.
SO Bioorganic & Medicinal Chemistry Letters (1997), 7(10), 1303-1306
CODEN: BMCLE8; ISSN: 0960-894X
IT 17900-68-4P 22717-41-5P 24246-08-0P 24246-11-5P 26502-95-4P 26645-09-0P 28844-37-3P 90688-89-4P 192209-24-8P 192209-25-9P 192209-26-0P 192209-27-1P 192209-28-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of polymer-bound β-keto esters and their conversion to pyrazolones)
IT 17900-68-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of polymer-bound β-keto esters and their conversion to pyrazolones)
RN 17900-68-4 CAPLUS
CN 3H-Pyrazol-3-one, 2,4-dihydro-4,5-dimethyl-2-phenyl- (CA INDEX NAME)

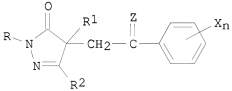


REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 6 OF 36 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1996:659311 CAPLUS
DOCUMENT NUMBER: 125:300995
TITLE: Preparation of 2-pyrazoline derivatives as herbicides
INVENTOR(S): Araino, Nobuyuki; Miura, Juzo; Oda, Yoshiki; Nishioka, Hitoshi
PATENT ASSIGNEE(S): Nihon Nohyaku Co Ltd, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 63 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08217777	A	19960827	JP 1995-46427	19950210 <--
PRIORITY APPLN. INFO.:			JP 1995-46427	19950210 <--

OTHER SOURCE(S): MARPAT 125:300995
GI



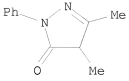
I

AB The title compds. [I; R = (un)substituted alkyl or alkenyl or Ph or pyridinyl, etc.; R1, R2 = H, (un)substituted alkyl or alkenyl, etc.; X = halo, NO2, (un)substituted alkyl or amino, etc.; n = 0-5; Z = CH2O] and their intermediates (Z = O, :CH2; others are same as above) are claimed. Herbicides containing I are effective against Amaranthus lividus, Scirpus juncoides, and Monochoria vaginalis. Thus, trimethylsulfonium iodide was treated with NaH and then reacted with 4-benzoylmethyl-4-ethyl-3-methyl-1-phenyl-2-pyrazolin-5-one to give 55% a mixture of diastereoisomers I (R = Ph, R1 = Et, R2 = Me, X = H, n = 5, Z = CH2O) (II). Herbicides containing II at 3 kg/ha preemergence showed 100% herbicidal effect for Amaranthus lividus and Scirpus juncoides.

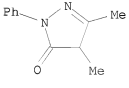
PI JP 08217777 A 19960827 Heisei

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 08217777	A	19960827	JP 1995-46427	19950210 <--
PRAI JP 1995-46427		19950210 <--		

IT 106-95-6, Allyl bromide, reactions 2181-42-2, Trimethylsulfonium iodide 7534-40-9 17900-68-4 41011-01-2, 3-Chlorophenacyl bromide 182875-62-3
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of pyrazoline derivs. as herbicides)
IT 17900-68-4
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of pyrazoline derivs. as herbicides)
RN 17900-68-4 CAPLUS
CN 3H-Pyrazol-3-one, 2,4-dihydro-4,5-dimethyl-2-phenyl- (CA INDEX NAME)



L7 ANSWER 7 OF 36 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1995:133733 CAPLUS
DOCUMENT NUMBER: 123:142959
TITLE: Steering effects of phase transfer catalysts on the benzylation of 2-naphtholate and the methylation of 3-methyl-1-phenyl-5-pyrazolone
AUTHOR(S): Dehmlow, Eckehard V.; Klauck, Robert
CORPORATE SOURCE: Fakultat Chemie, Univ. Bielefeld, Bielefeld, D-33615, Germany
SOURCE: Journal of Chemical Research, Synopses (1994), (11), 448-9
CODEN: JRPSDC; ISSN: 0308-2342
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 123:142959
AB O- vs. C-alkylation and bis-alkylation of 2-naphthol and O-, N- and C-alkylation or bis-alkylation of 3-methyl-1-phenyl-5-pyrazolone can be influenced by the nature and the presence of the phase transfer (PT) catalyst.
SO Journal of Chemical Research, Synopses (1994), (11), 448-9
CODEN: JRPSDC; ISSN: 0308-2342
IT 17900-68-4
RL: FMU (Formation, unclassified); PEP (Physical, engineering or chemical process); RCT (Reactant); FORM (Formation, nonpreparative); PROC (Process); RACT (Reactant or reagent)
(chemoselectivity by phase transfer catalysts in methylation of 3-methyl-1-phenyl-5-pyrazolone)
IT 17900-68-4
RL: FMU (Formation, unclassified); PEP (Physical, engineering or chemical process); RCT (Reactant); FORM (Formation, nonpreparative); PROC (Process); RACT (Reactant or reagent)
(chemoselectivity by phase transfer catalysts in methylation of 3-methyl-1-phenyl-5-pyrazolone)
RN 17900-68-4 CAPLUS
CN 3H-Pyrazol-3-one, 2,4-dihydro-4,5-dimethyl-2-phenyl- (CA INDEX NAME)



L7 ANSWER 8 OF 36 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1994:127807 CAPLUS
DOCUMENT NUMBER: 120:127807
TITLE: Herbicidal δ-aminolevulinic acid combinations with chlorophyll biosynthesis modulators.
INVENTOR(S): Rebeiz, Constantin A.

PATENT ASSIGNEE(S): Board of Trustees of the University of Illinois, USA
SOURCE: U.S., 40 pp. Cont.-in-part of U.S. 5,163,990.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5242892	A	19930907	US 1990-615413	19901119 <--
EP 331211	A2	19890906	EP 1989-106579	19850717 <--
EP 331211	A3	19891123		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
ZA 8505561	A	19860326	ZA 1985-5561	19850723 <--
US 5127938	A	19920707	US 1986-895529	19860811 <--
US 5200427	A	19930406	US 1989-294132	19890109 <--
US 5163990	A	19921117	US 1990-521119	19900503 <--
CA 2080140	A1	19911104	CA 1991-2080140	19910502 <--
CA 2080140	C	20020108		
WO 9116820	A1	19911114	WO 1991-US3015	19910502 <--
W: CA, JP, KR				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE				
EP 527186	A1	19930217	EP 1991-909022	19910502 <--
R: BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL				
JP 06500989	T	19940127	JP 1991-508902	19910502 <--
CA 2358003	C	20020924	CA 1991-2358003	19910502 <--
US 5286708	A	19940215	US 1991-773030	19911008 <--
US 5300526	A	19940405	US 1991-795367	19911120 <--
US 5321001	A	19940614	US 1992-915896	19920717 <--
JP 2001151614	A	20010605	JP 2000-226123	20000621 <--
JP 3365503	B2	20030114		
JP 2003063907	A	20030305	JP 2002-236923	20020815 <--
JP 3734780	B2	20060111		

PRIORITY APPLN. INFO.:		
US 1984-634932	B2	19840727 <--
US 1985-754092	B1	19850715 <--
US 1986-895529	A2	19860811 <--
US 1990-521119	A2	19900503 <--
EP 1985-903637	P	19850717 <--
US 1988-144883	B2	19880113 <--
US 1989-294132	A3	19890109 <--
US 1990-615413	A	19901119 <--
CA 1991-2080140	A3	19910502 <--
JP 1991-508902	A3	19910502 <--
WO 1991-US3015	W	19910502 <--
JP 2000-226123	A3	20000621 <--

AB The title compns. are defoliants and herbicides, with activity based on the accumulation of photodynamic tetrapyrrols. A mixture of 20 mM γ-aminolevulinic acid and 15 mM 6-aminonicotinic acid defoliated tomato seedlings.

PI US 5242892 A 19930907

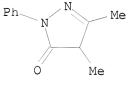
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 5242892	A	19930907	US 1990-615413	19901119 <--
EP 331211	A2	19890906	EP 1989-106579	19850717 <--
EP 331211	A3	19891123		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
ZA 8505561	A	19860326	ZA 1985-5561	19850723 <--
US 5127938	A	19920707	US 1986-895529	19860811 <--
US 5200427	A	19930406	US 1989-294132	19890109 <--
US 5163990	A	19921117	US 1990-521119	19900503 <--
CA 2080140	A1	19911104	CA 1991-2080140	19910502 <--

CA 2080140 C 20020108
WO 9116820 A1 19911114 WO 1991-US3015 19910502 <--
W: CA, JP, KR
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE
EP 527186 A1 19930217 EP 1991-909022 19910502 <--
R: BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL
JP 06500989 T 19940127 JP 1991-508902 19910502 <--
CA 2358003 C 20020924 CA 1991-2358003 19910502 <--
US 5286708 A 19940215 US 1991-773030 19911008 <--
US 5300526 A 19940405 US 1991-795367 19911120 <--
US 5321001 A 19940614 US 1992-915896 19920717 <--
JP 2001151614 A 20010605 JP 2000-226123 20000621 <--
JP 3365503 B2 20030114
JP 2003063907 A 20030305 JP 2002-236923 20020815 <--
JP 3734780 B2 20060111
PRAI US 1984-634932 B2 19840727 <--
US 1985-754092 B1 19850715 <--
US 1986-895529 A2 19860811 <--
US 1990-521119 A2 19900503 <--
EP 1985-903637 P 19850717 <--
US 1988-144883 B2 19880113 <--
US 1989-294132 A3 19890109 <--
US 1990-615413 A 19901119 <--
CA 1991-2080140 A3 19910502 <--
JP 1991-508902 A3 19910502 <--
WO 1991-US3015 W 19910502 <--
JP 2000-226123 A3 20000621 <--
IT 117060-73-8 126840-94-6 126840-95-7 126841-05-2 126841-06-3
126841-07-4 126841-08-5 126841-09-6 126841-10-9 126841-11-0
126841-12-1 126841-13-2 126841-14-3 126841-15-4 127524-15-6
127524-16-7 127524-17-8 128058-45-7 128058-46-8 128910-16-7
152967-67-4 152967-68-5 152967-69-6 152967-70-9 152967-71-0
152967-72-1 152967-73-2 152967-74-3 152967-75-4 152967-76-5
152967-77-6 152967-78-7 152967-79-8 152967-80-1 152967-81-2
152967-82-3 152967-83-4 152967-84-5 152967-85-6 152967-86-7
152967-87-8 152967-88-9 152967-89-0 152967-90-3 152967-91-4
152967-92-5 152967-93-6 152967-94-7 152967-95-8 152967-96-9
152967-97-0 152967-98-1 152967-99-2 152968-00-8 152968-01-9
152968-02-0 152968-03-1 152968-04-2 152968-05-3 152968-06-4
152968-07-5 152968-08-6 152968-09-7 152968-10-0 152968-11-1
152968-12-2 152968-13-3 152968-14-4 152968-15-5 152968-16-6
152968-17-7 152968-18-8 152968-19-9 152968-20-2 152968-21-3
152968-22-4 152968-23-5 152968-24-6 152968-25-7 152968-26-8
152968-27-9 152968-28-0 152968-29-1 152968-30-4 152968-31-5
152968-32-6 152968-33-7 152968-34-8 152968-35-9 152968-36-0
152968-37-1 152968-38-2 152968-39-3 152968-40-6 152968-41-7
152968-42-8 152968-43-9 152968-44-0 152968-45-1 152968-46-2
152968-47-3 152968-48-4 152968-49-5 152968-50-8 152968-51-9
152968-52-0 152968-53-1 152968-54-2 152968-55-3 152968-56-4
152968-57-5 152968-58-6 152968-59-7 152968-60-0 152968-61-1
152968-62-2 152968-63-3 152968-64-4 152968-65-5 152968-66-6
152968-67-7 152968-68-8 152968-69-9 152968-70-2 152968-71-3
152968-72-4 152968-73-5 152968-74-6 152968-75-7
152968-76-8 152968-77-9 152968-78-0 152968-79-1 152968-80-4
152968-81-5 152968-82-6 152968-83-7 152968-84-8 152968-85-9
152968-86-0 152968-87-1 152968-88-2 152968-89-3 152968-90-6
152968-91-7 152968-92-8 152968-93-9 152968-94-0 152968-95-1
152968-96-2 152968-97-3 152968-98-4 152968-99-5 152969-00-1
152969-01-2 152969-02-3 153145-67-6
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(herbicide and defoliant)
IT 152968-73-5
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)
(herbicide and defoliant)
RN 152968-73-5 CAPLUS
CN Pentanoic acid, 5-amino-4-oxo-, mixt. with 2,4-dihydro-4,5-dimethyl-2-phenyl-3H-pyrazol-3-one (9CI) (CA INDEX NAME)

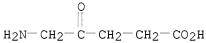
CM 1

CRN 17900-68-4
CMF C11 H12 N2 O



CM 2

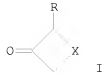
CRN 106-60-5
CMF C5 H9 N O3



L7 ANSWER 9 OF 36 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1993:223017 CAPLUS
DOCUMENT NUMBER: 118:223017
TITLE: Nonsubstantive color developer for color filter and its use in manufacturing color filter for color liquid crystal display
INVENTOR(S): Shimizu, Hiroshi; Miyaoka, Kazuyoshi; Hirota, Kenji; Koboshi, Shigeharu
PATENT ASSIGNEE(S): Konica Co., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 16 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 04009053	A	19920113	JP 1990-109583	19900425 <--
PRIORITY APPLN. INFO.:			JP 1990-109583	19900425 <--

GI



I

AB A nonsubstantive color developer for a color filter contains a high concentration of Br- ion and ≥1 bias coupler [I; R = (un)substituted alkyl or aryl substituted at the active site; X = atoms required to form an (un)substituted (ring-fused) 5- or 6-membered ring containing ≥1 N, S, or O; the heterocyclic ring or the alkyl group is substituted with a C2-24 organic group which allows I to completely or partially dissolve in a processing solution and after coupling with the oxidized color developing agent, imparts I a mol. size and shape nondiffusible in an emulsion layer]. The Br- concentration is preferably ≥0.05 mol/L. A color filter is manufactured by (1) pattern-wise exposure of a photosensitive material having a Ag halide emulsion layer containing Ag halide micrograins formed on a transparent substrate and (2) nonsubstantive development by the above nonsubstantive color developer to form dye images corresponding to the patterns. The process reduces relief between pixels with different spectral characteristics, thus gives excellent surface smoothness, prevents fog in the unexposed parts, and gives sufficient d. in the exposed parts.

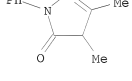
PI	JP 04009053 A	19920113	Heisei		
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 04009053	A	19920113	JP 1990-109583	19900425 <--
PRAI	JP 1990-109583		19900425 <--		

IT 17900-68-4 125740-63-8 131443-12-4 147163-78-8
RL: USES (Uses)
(bias coupler, nonsubstantive color developer containing bromide ions and, for color filter)

IT 17900-68-4
RL: USES (Uses)
(bias coupler, nonsubstantive color developer containing bromide ions and, for color filter)

RN 17900-68-4 CAPLUS

CN 3H-Pyrazol-3-one, 2,4-dihydro-4,5-dimethyl-2-phenyl- (CA INDEX NAME)



L7 ANSWER 10 OF 36 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER:	1991:52993 CAPLUS
DOCUMENT NUMBER:	114:52993
TITLE:	Color filter for liquid-crystal color display device
INVENTOR(S):	Mochizuki, Yoshiharu; Okauchi, Ken; Masukawa, Toyoaki
PATENT ASSIGNEE(S):	Konica Co., Japan
SOURCE:	Jpn. Kokai Tokkyo Koho, 18 pp. CODEN: JKXXAF
DOCUMENT TYPE:	Patent

LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 02191903	A	19900727	JP 1989-79302	19890329 <--
PRIORITY APPLN. INFO.:			JP 1988-241800	A1 19880927 <--

AB A process for making a color filter for a liquid-crystal color display device comprises forming color images from a patternwise exposed Ag halide emulsion layer on a transparent support, using a developer solution containing couplers and color developing agents, wherein the images are treated with a processing solution containing a coupler capable of forming a substantially colorless compound by reacting with the oxidized color developing agent and having a pH ≥9 at 25°.

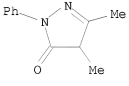
PI JP 02191903 A 19900727 Heisei

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 02191903	A	19900727	JP 1989-79302	19890329 <--
PRAI JP 1988-241800	A1	19880927 <--		

IT 17900-68-4 72705-83-0 119105-62-3 131443-12-4 131443-13-5 131443-14-6 131443-15-7 131443-16-8 131443-17-9 131443-18-0
RL: USES (Uses)
(photog. processing solns. containing, for fabrication of color filters for liquid-crystal display devices)

IT 17900-68-4
RL: USES (Uses)
(photog. processing solns. containing, for fabrication of color filters for liquid-crystal display devices)

RN 17900-68-4 CAPLUS
CN 3H-Pyrazol-3-one, 2,4-dihydro-4,5-dimethyl-2-phenyl- (CA INDEX NAME)



=> D his

(FILE 'HOME' ENTERED AT 15:42:32 ON 08 JAN 2008)

FILE 'REGISTRY' ENTERED AT 15:42:46 ON 08 JAN 2008
L1 STRUCTURE UPLOADED
L2 1 S L1 FAM FULL

FILE 'CAPLUS' ENTERED AT 15:44:08 ON 08 JAN 2008
L3 1 S L2

FILE 'REGISTRY' ENTERED AT 15:47:41 ON 08 JAN 2008
L4 STRUCTURE UPLOADED
L5 2 S L4 FAM FULL

FILE 'CAPLUS' ENTERED AT 15:49:00 ON 08 JAN 2008
L6 39 S L5
L7 36 S L6 AND (PY<2003 OR AY <2003 OR PRY<2003)

```
=> logoff
ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
LOGOFF? (Y)/N/HOLD:y
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                                71.66     227.16

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)      SINCE FILE      TOTAL
                                                   ENTRY    SESSION
CA SUBSCRIBER PRICE                                -8.00      -8.80

STN INTERNATIONAL LOGOFF AT 15:58:10 ON 08 JAN 2008
```